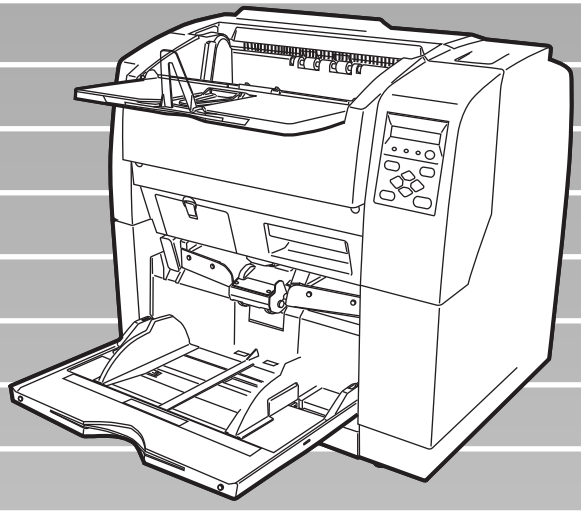
P3PC-1682-01EN

fi-4860C2 Image Scanner
Installation Guide



FUJITSU

INTRODUCTION

Thank you for purchasing the fi-4860C2 Duplex Color Scanner.

The fi-4860C2 is an image scanner designed to scan documents in large quantities.
The fi-4860C2 has the following features.

- **High speed, high quality color scanning capabilities**
  Scans documents of Letter and A4 size at the speed of 60ppm/120ipm @200dpi.

- **Highly reliable document handling**
  Accepts various thicknesses, sizes and types of documents.

- **Production ready**
  High capacity hopper (500sheets, 20lb(80 g/m^2) Letter or A4 size) with Imprinter options.

About this manual

The contents of this manual are as follows.

1. SCANNER BASICS

This chapter describes the contents of the scanner package, part names, and operator panel operation.

2. INSTALLATION AND CONNECTIONS

This chapter describes how to install and connect the scanner to a PC, and how to install the scanner application software.

The “Operator’s Guide” is also stored on the “User Manual CD-ROM”.
The guide includes operation and daily care for the scanner, replacing of consumbles, solutions for troubles, etc.
In addition to this guide (Installation Guide), please also read the Operator’s Guide.
See next page for the contents of the Operator’s Guide.
The “FUJITSU TWAIN32 Scanner Driver User’s Guide” is stored on the “Setup CD-ROM”. Please also read the Scanner Driver User’s Guide.

The contents of the Operator’s Guide is as follows:

1. BASIC SCANNER OPERATIONS

This chapter describes basic scanner operations including basic document scanning.

2. SCANNING VARIOUS TYPES OF DOCUMENTS

This chapter describes how to scan various type of documents.

3. DAILY CARE

This chapter describes how to clean the scanner.

4. REPLACEMENT OF CONSUMABLES

This chapter describes how to replace scanner consumables.

5. SOLVING COMMON PROBLEMS

This chapter describes how to remedy document jams, other troubles, items to check before contacting the agent where you bought the scanner, and how to check device labels.

6. ADF DOCUMENT SPECIFICATIONS

This chapter describes the types of documents which can be scanned with this scanner.

7. OPERATOR PANEL MENUS

This chapter describes Setup-mode and Test-mode.

8. OPTIONS

This chapter describes the options available for the scanner.

9. SCANNER SPECIFICATIONS

This chapter lists the scanner specifications.

We hope that this manual is useful in taking full advantage of the fi-4860C2 Duplex Color Scanner's capabilities.

■ Regulatory Information

FCC Regulations

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is located.
- Consult your deealer or an expeerienced radio/TV technician.

FCC warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- The use of a shielded interface cable is required to comply with the Class B limits of Part 15 of FCC rules. The length of the SCSI interface cable must be 1.5 meters (5 feet) or less.
- The length of the AC cable must be 3 meters (10 feet) or less.

Canadian DOC Regulations

This digital apparatus does not exceed the Class B limit for radio noise emissions from digital apparatus set out in the Radio interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de parasites radioélectriques dépassant les limites applicables aux appareils numériques de la classe B et prescrites dans le Règlement sur le brouillage radioélectrique dictées par le Ministère des Communications du Canada.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Bescheinigung des Herstellers / Importeurs

Für den fi-4860C2 wid folgendes bescheinigt:

- In Übereinsstimmung mit den Bestimmungen der EN45014(CE) funkentstört
- Maschinenlärminformationsverordnung 3.GPSGV: Der höchste Schalldruckpegel beträgt 70 dB (A) oder weniger, gemäß EN ISO 7779.

International ENERGY STAR® Program

As an ENERGY STAR® Partner, PFU LIMITED has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

The International ENERGY STAR® Office Equipment Program is an international program that promotes energy saving through the penetration of energy efficient computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Their standards and logos are uniform among participating nations.

This product meet the ENERGY STAR® guidelines of Japan and U.S.

Use in High-safety Applications

This product has been designed and manufactured on the assumption that it will be used in office, personal, domestic, regular industrial, and general-purpose applications. It has not been designed and manufactured for use in applications (simply called "high-safety applications" from here on) that directly involve serious danger to life and health when an extremely high degree of safety is required, for example, in the control of nuclear reactions at nuclear power facilities, automatic flight control of aircraft, air traffic control, operation control in mass-transport systems, medical equipment for sustaining life, and missile firing control in weapons systems, and when provisionally the safety in question is not ensured. The user should use this product with adopting measures for ensuring safety in such high-safety applications. PFU LIMITED assumes no liability whatsoever for damages arising from use of this product by the user in high-safety applications, and for any claims or compensation for damages by the user or a third party.

About the use of mercury

Hg	Lamp(s) inside this product contain mercury and must be recycled or disposed of according to local, state, or federal laws.

To avoid unexpected injuries:

- Do not put the substance in the lamp in your mouth as it contains mercury.
- Do not breathe the chemical liquid contained in the scanner lamps.
- Do not incinerate, crush, or shred the lamps or scanner parts.

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Adobe, the Adobe logo, and Acrobat are either registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Other product names are the trademarks or registered trademarks of the respective companies.

How Trademarks Are Indicated In This Manual

References to operating systems (OS) are indicated as follows:

Windows 95:	Microsoft® Windows® 95 operating system.
Windows 98:	Microsoft® Windows® 98 operating system.
Windows Me:	Microsoft® Windows® Millennium Edition operating system.
Windows NT 4.0:	Microsoft® Windows NT® 4.0 Server operating system, Microsoft® Windows NT® 4.0 Workstation operating systemoperating system
Windows 2000:	Microsoft® Windows® 2000 Professional operating system.
Windows XP:	Microsoft® Windows® XP Professional operating system, and Microsoft® Windows® XP Home Edition operating system.

Where there is no distinction between the different versions of the above operating system, the general term "Windows " is used.

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■ Note, Liability

READ ALL OF THIS MANUAL CAREFULLY BEFORE USING THIS PRODUCT.
IF NOT USED CORRECTLY, UNEXPECTED INJURY MAY BE CAUSED TO USERS OR BYSTANDERS.

Also, store this manual in a convenient and safe place so that it can be easily referred to during use of this product.

While all efforts have been made to ensure the accuracy of all information in this manual, PFU LIMITED assumes no liability to any party for any damage caused by errors or omissions or by statements of any kind in this manual, its updates or supplements, whether such errors are omissions or statements resulting from negligence, accidents, or any other cause. PFU LIMITED further assumes no liability arising from the application or use of any product or system described herein; nor any liability for incidental or consequential damages arising from the use of this manual. PFU LIMITED disclaims all warranties regarding the information contained herein, whether expressed, implied, or statutory.

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■ Preface

Safety Precautions

This manual describes important details for ensuring the safe and correct use of this product. Thoroughly read this manual before you start to use this product. In particular, be sure to read and fully understand the Safety Precautions described in this manual before you use this product.

Also, store this manual in a convenient and safe place so that it can be easily referred to during use of this product.

Warning Indications Used In This Manual

This manual uses the following indications to ensure safe and correct use of this product, and to prevent possible danger and injury to the operator and other persons.

⚠WARNING	This indication alerts operators to an operation that, if not strictly observed, may result in severe injury or death.

⚠CAUTION	This indication alerts operators to an operation that, if not strictly observed, may result in safety hazards to personnel or damage to equipment.

Symbols Used In This Manual

This manual uses the following symbols in explanations in addition to warning indications.

This symbol alerts operators to particularly important information. Be sure to read this information.

This symbol alerts operators to helpful advice regarding operation.

A TRIANGLE symbol indicates that special care and attention is required.
The drawing inside the triangle shows the specific caution.

A CIRCLE with a diagonal line inside shows action which users are not allowed to do.
The drawing inside or under the circle shows the specific action that is not allowed.

Outline characters on a colored background shows instructions users should follow.
It may include the drawing which shows the sepecific instruction.

Screen Examples In This Manual

The screen examples in this manual are subject to change without notice in the interest of product improvement.

If the actual displayed screen differs from the screen examples in this manual, operate by following the actual displayed screen referring to the User's Manual of the scanner application you are using.

Furthermore, the screenshots in this manual are for the FUJITSU TWAIN32 scanner driver and ScandAll 21 image capturing software, FUJITSU ISIS scanner driver, QuickScan™ image capturing software and Adobe® Acrobat®.

About Maintenance

The user must not perform repairs on this scanner. Contact the store where you purchased the scanner or an authorized FUJITSU Image Scanner service provider to make repairs to this product.

■ Safety Precautions

⚠WARNING

The following describes important warnings described in this manual.

Do not touch the AC cable with wet hands.

Do not touch the power plug with wet hands. Doing so might cause electric shock.

Do not damage the AC cable.

A damaged AC cable may cause fire or electric shock.

Do not place heavy objects on AC cables, or pull, bend, twist, heat, damage or modify AC cables.

Also, do not use damaged AC cables or power plugs, and AC cables or power plugs when the wall socket is loose.

Use only specified AC cables and connector cables

Use only specified AC cables and connector cables. Failure to use the correct cables might cause electric shock and equipment failure.

Use this scanner only at the indicated power voltage. Do not connect to multiple-power strips.

Use this scanner only at the indicated power voltage and current. Improper power voltage and current might cause fire or electric shock. Also, do not connect to multiple-power strips.

Wipe any dust from the power plug.

Wipe off any dust from metal parts on the power plug or metal fittings with a soft, dry cloth. Accumulated dust might cause fire or electric shock.

Do not install the device in locations subject to oil smoke, steam, humidity, and dust.

Do not install the scanner in locations subject to oil smoke, steam, humidity, and dust. Doing so might cause a fire or electric shock.

Do not use the scanner if you smell strange odor.

If you detect heat coming from the device or detect other problems such as smoke, strange smells or noises, immediately turn off the scanner and then disconnect its power plug.

Make sure that the smoking has stopped, and then contact the store where you bought the scanner or an authorized FUJITSU scanner service provider.

Turn the scanner OFF if it is damaged.

If the scanner is damaged for any reason, turn off the scanner and unplug the power cable before contacting the store where you purchased the scanner.

Do not put liquids inside the scanner.

Do not insert or drop metal objects in to the scanner. Do not scan wet documents or document with paper clips or staples. Do not splash or allow the scanner to get wet.

If foreign objects (water, small metal objects, liquids, etc.) get inside the scanner, immediately turn off the scanner and disconnect the power plug from the power outlet, then contact the store where you bought the scanner or the Maintenance Service Center. Pay particular attention to this warning in households where there are small children.

Do not touch the inside of the scanner unless necessary.

Do not take apart or modify the scanner. The inside of the scanner contains high-voltage components. Touching these components might cause fire or electric shock.

⚠ CAUTION

The following describes important cautions described in this manual.

Do not install the scanner on unstable surfaces.

Install the scanner on a desk or table so that none of its parts protrude outside of the desktop. Also, make sure that the scanner is installed on a flat, level surface. Do not install the scanner on unstable surfaces. Install the scanner on a level surface that is free of vibration to prevent it from falling.

Install the scanner on a strong surface that will support the weight of the scanner and other devices.

Firmly insert the power plug.

Firmly insert the power plug into the power outlet as far it can go.

Do not block the ventilation ports.

Do not block the ventilation ports. Blocking the ventilation ports generates heat inside of scanner, that may results in fire or scanner failure.

Do not place heavy objects or stand on top of the scanner.

Do not place heavy objects on the scanner or use the scanner's top surface for performing other work. Improper use might cause injuries.

Before moving the scanner, disconnect the power plug from the power outlet.

Do not move the scanner with the power and interface cables connected as this might damage the cables, causing fire, electric shock or injuries.

Before moving the scanner, be sure to disconnect the power plug from the power outlet, and disconnect data cables. Also, make sure that the floor is free of obstructions.

Protect the scanner from static electricity.

Install the scanner away from strong magnetic fields and other sources of interference. Also, protect the scanner from static electricity as this might cause the scanner to malfunction.

Do not use aerosol sprays near the scanner.

Do not use aerosol sprays to clean the scanner. Aerosol sprays cause dirt and dust to enter the scanner, resulting in scanner failure and malfunction.

Avoid any contact when scanner is in use.

Avoid touching any part of the scanner mechanism or paper when the scanner is operating as this may cause injuries.

Disconnect the power plug from the power outlet when the scanner is not used for a long period of time.

When the scanner is not used for a long period of time, be sure to disconnect the power plug from the power outlet for safety.

Do not install the scanner in the direct sunlight.

Do not install the scanner in the direct sunlight or near heating apparatus. Doing so might cause excessive heat to build up inside the scanner, causing fire or scanner trouble. Install the scanner in a well-ventilated location.

Do not try to move or lift the scanner alone.

This scanner is heavy (99lbs/45kg). When you lift the scanner, ensure that additional personnel are used.

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1 SCANNER BASICS

This chapter describes how to prepare the scanner before use.

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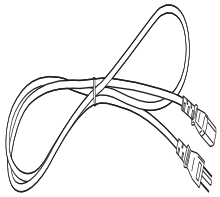
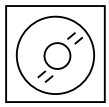
1.1 Checking the Contents of the Scanner Package

When you unpack the scanner package, make sure that all the following parts are included in the package. If any parts are missing or defective, contact to the distributor where you purchased the scanner from.

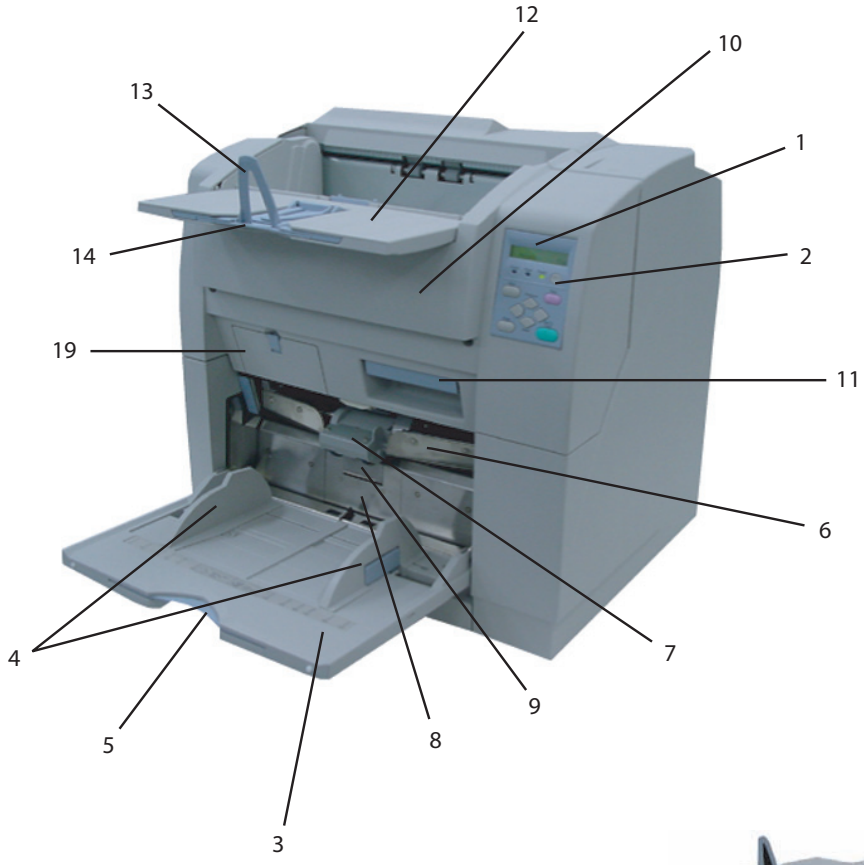
Please handle the scanner and the accessories with care.

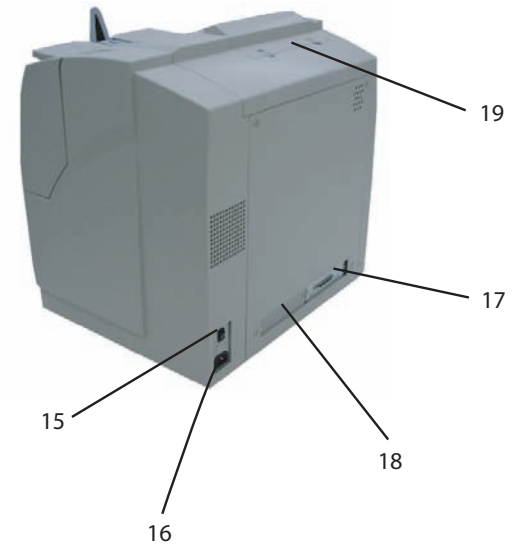
Scanner and Accessories		
☐Scanner	☐Power cable (x1) (For european countries: x2) 	☐User Manual CD-ROM 
☐Setup CD-ROM	☐Adobe® Acrobat® 7.0 CD-ROM	☐Installation Guide (This manual)
☐FUJITSU TWAIN Installation Guide ☐FUJITSU ISIS Installation Guide	☐ VRS installation CD-ROM	

1.2 Names and Functions of Parts

This section describes the names of parts and their functions.

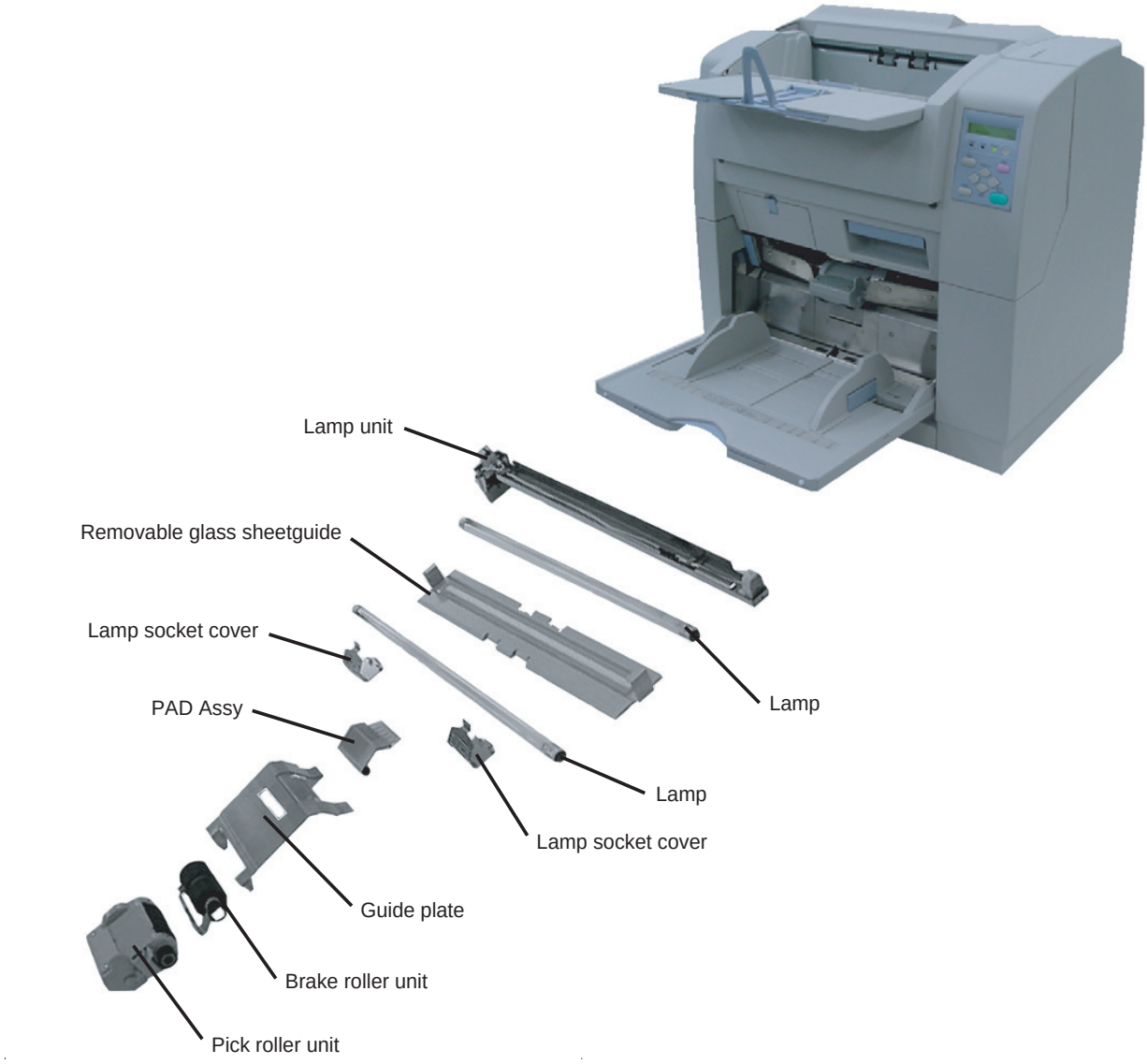
■ Units





No.	Name	Function
1	Operator panel	Used for operating the scanner.
2	Power button	Used to power the scanner on/off.
3	Hopper	Document input tray.
4	Side guides	Used for adjusting the document width.
5	Hopper extension	Used for long documents.
6	ADF (Automatic document feeder)	Feeds documents automatically.
7	Pick roller unit	Picks top page from document stack.
8	Guide plate	The pad assy is mounted on.
9	Pad Assy	Separates top page from document stack.
10	Upper transport unit	Opens for easy access.
11	Lever	Used to open the Upper transport unit.
12	Stacker	Document exit tray.
13	Stopper	Used to stop documents as they exit into the stacker.
14	Stacker extension	Used to support long documents.
15	Main line switch	Controls supply of line power to the scanner.
16	Power inlet	For the power cable connection.
17	Interface connector	For Ultra Wide SCSI connection.
18	Third party slot (TPS)	For installing an option board
19	Imprinter covers	Opens to access print cartridge for replacement.

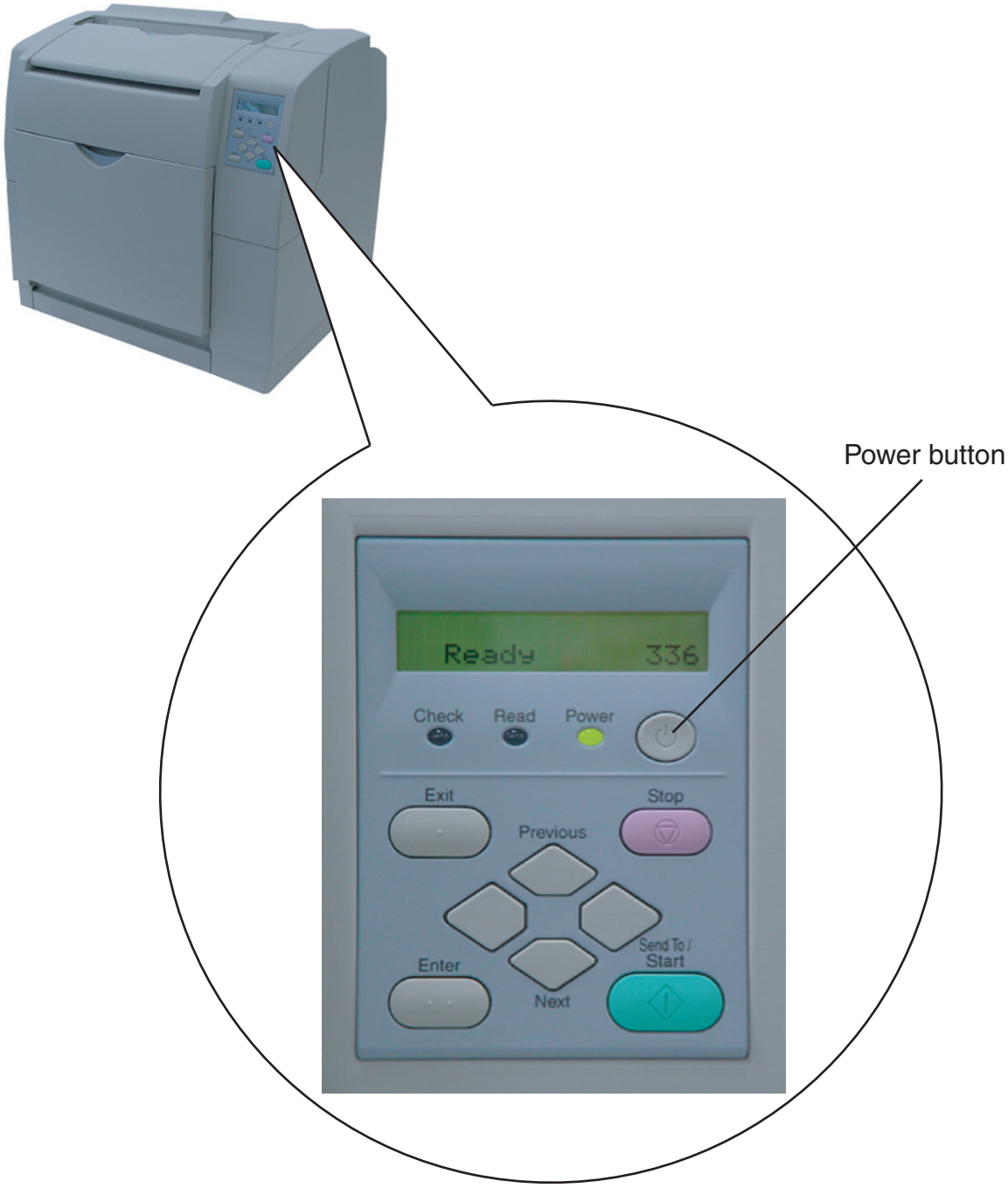
■ Assemblies


Lamp unit
Removable glass sheetguide
Lamp socket cover
PAD Assy
Guide plate
Brake roller unit
Pick roller unit
Lamp
Lamp
Lamp socket cover

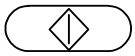
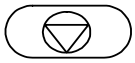
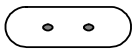
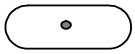
1.3 Operator Panel

(1) The operator panel is located at the Upper right hand side of the scanner. The panel consists of an LCD display (16 characters x 2 line), LEDs, and buttons.

■ Arrangement



■ Function of Buttons

Button Name	Function
	Turns on/off when the main line switch is set to " | ".
Send to/Start 	Starts scanning in test mode.
Stop 	Clears the error if this button is pushed while the Check lamp is on or is blinking.
Enter 	Used for setup, or test mode.
Exit 	Used for setup, or test mode. Returns LCD display to "Ready" status.
Previous	Used for setup, or test mode. Displays the previous menu item when this button is pushed.
Next	Used for setup, or test mode. Displays the next menu item when this button is pushed.
	Used for setup, or test mode. Changes the setting of the selected item.
	Used for setup, or test mode. Changes the setting of the selected item.

■ Function of LEDs

LED	Function
Power (Green)	Lights when the power supply is switched on.
Read (Green)	Light during scanning.
Check (Yellow)	■Lights when a hardware alarm is detected. Lights out when Stop button is pushed. (except initial errors) ■Blinks when an equipment error occurs. Paper jam or Double feed is detected. Press [Stop] button to clear the error, and the LED lights out. In the case of Paper jam, when the document is removed, and the Upper transport unit is closed, the LED lights out automatically.

■ Function of LCD panel

LCD	Function
	Displays the scanner sutatus and error messages.

■ Counter display

Batch counter and Abrasion counters are shown below:

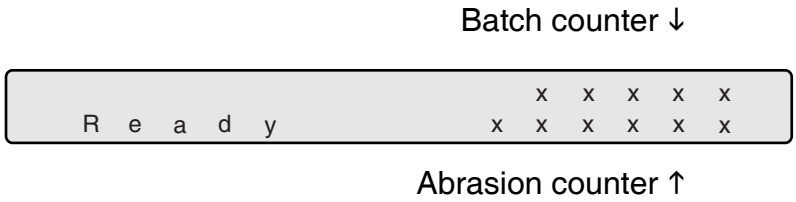


Fig.1

Simultaneously press the both ◇(Left) and ◇(Right) button for at least one second, to switch to the Life counter panel display as shown bellow:

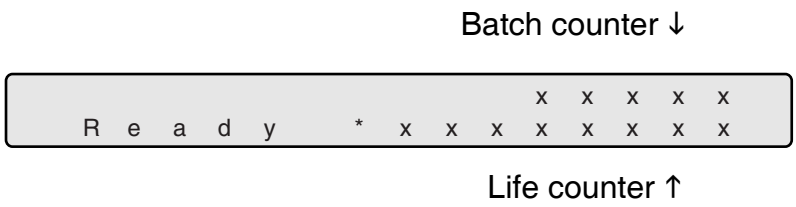


Fig.2

To return from “Fig.2” to “Fig.1”, press the both ◇(Left) and ◇(Right) button for at least one second.

Counter	Functions	
Batch counter	◇ (Left) button is pressed for at least one second.	The number of scanned documents from the start of reading until "Paper empty" or an error is detected. The counter is automatically reset at the start of next reading. This counter can be used for checking the number of scanned documents per batch.
	◇ (Right)button is pressed for at least one second.	This counter is increased by one per sheet. The counter is not re-initialized until the power is turned off. The counter can be used for checking the number of scanned documents per day.
Abrasion counter	The abrasion counter counts the accumulated number of scanned sheets. This counter is increased by one per sheet scanned. It is used for checking the cleaning cycle or the parts replacement cycle. Refer to “Chapter7 OPERATOR PANEL MENUS of the Opelator’s Guide” included in “User Manual CD-ROM” about how to reset this counter.	
Life counter	Keeps acumulative count of the total number of scans made by the scanner. This counter is increased by one per sheet and may be used to estimate of the device’s remaining life. This counter cannot be reset.	

The counter is not displayed when the value is 0.

2 INSTALLATION AND CONNECTIONS

This chapter describes how to install and connect the scanner to a PC, and how to install the Fujitsu application software.

References to operating systems (OS) are indicated as follows:

Windows 95:	Microsoft® Windows® 95 operating system.
Windows 98:	Microsoft® Windows® 98 operating system.
Windows Me:	Microsoft® Windows® Millennium Edition operating system.
Windows NT 4.0:	Microsoft® Windows NT® 4.0 Server operating system, Microsoft® Windows NT® 4.0 Workstation operating systemoperating system
Windows 2000:	Microsoft® Windows® 2000 Professional operating system.
Windows XP:	Microsoft® Windows® XP Professional operating system, and Microsoft® Windows® XP Home Edition operating system.

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2.2 Connecting the Scanner 13

2.3 Installing the Scanner Driver and Application 17

2.1 Installing the Scanner

The following shows the procedure for installing the scanner.

■ Cautions on placement of scanner

1. Move the scanner to the installation area.

Refer to the "Operator's Guide" stored on the "User Manual CD-ROM" about the dimensions of the scanner, and the space required for its installation.

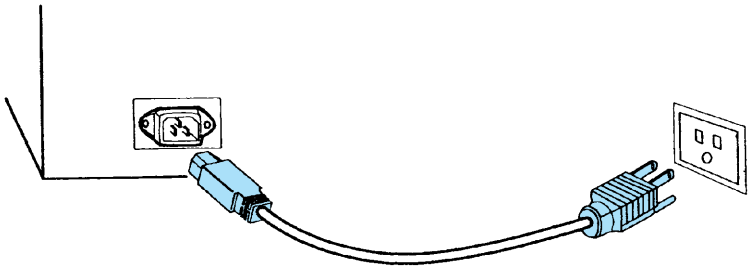
Move the scanner with more than two people as it weights approximately 99 lbs (45 Kg).

When you move scanner grab it at its bottom.

2.2 Connecting the Scanner

■ Connecting the power cable

Connect the power cable to the power inlet of the device and to a outlet rated to comply with scanner power requirements.



■ Connecting the interface cable

An interface cable and a SCSI card are required.

Use the following SCSI card to connect to PC.

Recommended SCSI card	Recommended interface cable
ADAPTEC SCSI card 29160	ADAPTEC ACK-LVD-CBL KIT
ADAPTEC SCSI card 39160	ADAPTEC ACK-68V-68HD-LVD ADAPTEC ACK-68V-68HD-LVD-2M-ICE
KOFAX Adrenaline 650i	ADAPTEC ACK-LVD-CBL KIT

Use of other SCSI card may cause unstable scan operations.

If you use ADAPTEC SCSI card 29160/39160, make sure you install the proper drivers and updates as described below:

(1) Use the driver attached to the SCSI card.

You can download the driver file for each OS from the following address:

- For ASC29160
  http://www.adaptec.com/worldwide/support/drivers_by_product.html?sess=no&cat=/Product/ASC-29160
- For ASC39160
  http://www.adaptec.com/worldwide/support/drivers_by_product.html?sess=no&cat=/Product/ASC-39160

(2) Install ASPI version 4.70 or later.

If you use "FUJITSU TWAIN32 Version9.x", you do not need to install the ASPI driver.
You can download the driver from the following address.

- For Windows 98, Windows NT 4.0, Windows Me, Windows 2000 and Windows XP
  http://www.adaptec.com/worldwide/support/drivers_by_product.html?sess=no&cat=/Product/ASPI-4.70
- For Windows 95 (Install the ASPI version 4.60.)
  http://www.adaptec.com/worldwide/support/driverdetail.html?sess=no&filekey=aspi32.exe

If you use Windows XP, follow the procedure below beside the above operation.

Please update the driver using the patch file provided from ADAPTEC.

From Device Manager, click “Update Driver”.
You can download the update file from the following address.
file name : u160_winxp_drv_rc1.exe
http://www.adaptec.com/worldwide/support/driverdetail.html?sess=no&cat=/

Product/ASC-29160&filekey=u160_winxp_drv_rc1.exe

For other OS, refer to the following ADAPTEC address to get the necessary update files and revises the driver.

●For ASC29160

http://www.adaptec.com/worldwide/support/drivers_by_product.html?sess=no&cat=/Product/ASC-29160

●For ASC39160

http://www.adaptec.com/worldwide/support/drivers_by_product.html?sess=no&cat=/Product/ASC-39160

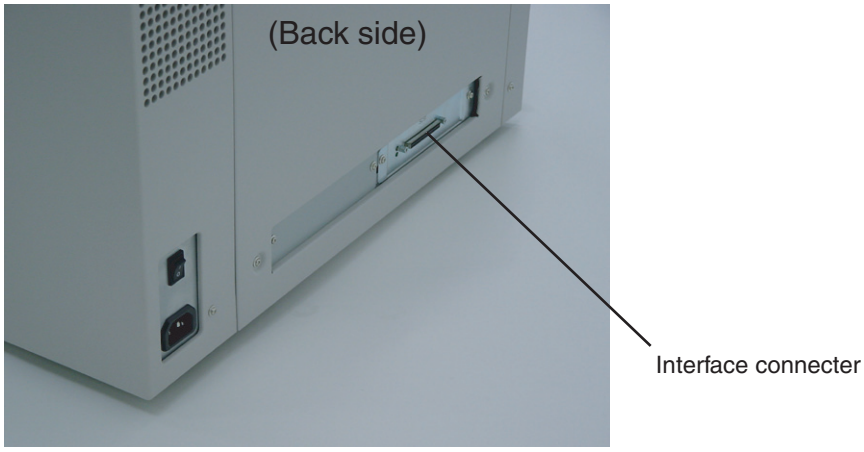
When connecting the SCSI interface cable, be sure to first connect the SCSI interface cable then turn on the power of the scanner and the PC.

Connect the scanner so that it is the last device on the SCSI daisy chain.

The SCSI card and SCSI interface cable need to be purchased separately.

If the file address at ADAPTEC is changed, go to the ADAPTEC site (http://www.adaptec.com/worldwide/homepage.html) and go to [Support]-[Downloads] to get the necessary files and update information.

1. **Connect and use the thumbscrews to secure the interface cable to the interface connector of the scanner.**



2. **Connect and secure the other end of the interface cable to the PC.**

HINT

The factory default setting for the scanner's SCSI ID is 5.
If the SCSI ID of another SCSI device is set to the same ID, either change the scanner's SCSI ID or change the SCSI ID of the other SCSI device.
For details on how to change the SCSI ID, refer to the "Chapter 7. OPERATOR PANEL MENUS" of the Operator's Guide, included in the "User manual CD-ROM" .

2.3 Installing the Scanner Driver and Application

For scanning documents with this scanner, both scanner driver and image capturing application software (called "application" hereafter) must be installed on your PC.

Two types of scanner drivers and application are provided for this product.

- Scanner Drivers
  - FUJITSU TAIN32 Scanner Driver
  - FUJITSU ISIS Scanner Driver
- Application
  - ScandAll 21 (for the FUJITSU TWAIN32 Scanner Driver)
  - QuickScan Pro™ (for the FUJITSU ISIS Scanner Driver)

For FUJITSU TWAIN32 Scanner Driver

■ Preparation

Confirm the following items before starting to install the application.

- Prepare the Setup CD-ROM at hand. (Do not insert the Setup CD-ROM into the CD drive yet.)
- Confirm that the scanner is correctly connected to your PC.

For details on how to connect the scanner, refer to "2.2 Connecting the Scanner" on page 13.

- Uninstall any older versions of the FUJITSU TWAIN 32 driver if it has already been installed.

Uninstall [Scanner Utility for Microsoft Windows] from [Add/Remove Programs] on the control panel.

- There are two types of FUJITSU TWAIN 32:
  One of the following driver software will be automatically installed according to your Operating System (OS).

☐For Windows 98, Windows Me, Windows 2000, and Windows XP:
FUJITSU TWAIN32 V9

☐For Windows 95:
FUJITSU TWAIN32 V8

- When using Windows 95:

ASPI Manager V4.60 or later is required (generally comes with SCSI board products).

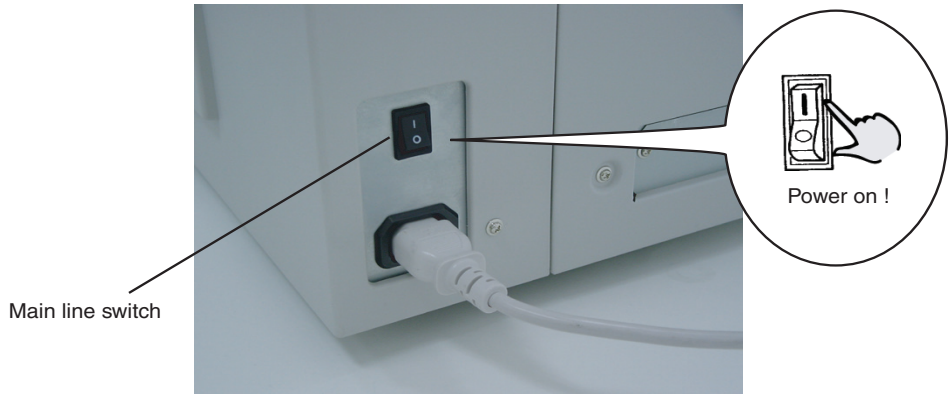
■ Installing the FUJITSU TWAIN32 Scanner Driver

HINT

Windows XP screenshots are used in this section. The windows and operations may slightly vary depending on your OS.

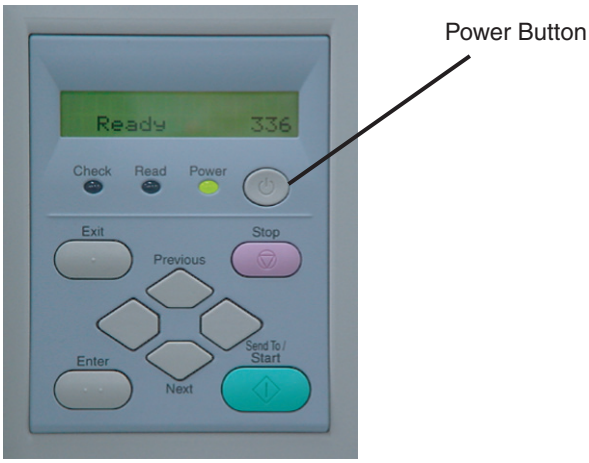
1. Turn on the scanner.

Press the side of " | " on the Main line switch.



(Back side)

Then press the Power button on the Operator panel.
When the power is supplied, the green LED on the Operator panel lights.



2. Turn on your PC and log on to Windows.

ATTENTION

When using Windows NT 4.0, Windows 2000 or Windows XP, log on as a user with "Administrator" privileges (privileges of the administrator of your PC). Otherwise the installation will not be completed correctly.

3. The scanner is detected automatically. [Found New Hardware Wizard] (or [Add/Remove Hardware Wizard) dialog box will appear.

Click [Cancel] to close the Wizard window.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
fi-4860CEAdij
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

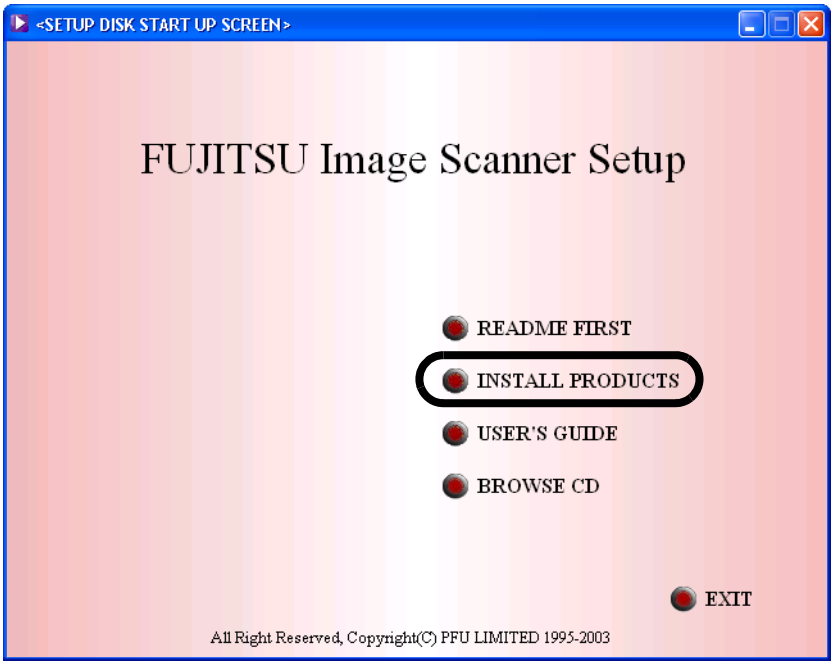
4. Insert the Setup CD-ROM into the CD drive.

⇒ <SETUP DISK START UP SCREEN> appears.

ATTENTION

This screen may not appear if the "Autoplay" setting of your PC is OFF. In this case, run "Install.exe" in this CD-ROM directly by the "Explorer" or "My Computer".

5. Click [INSTALL PRODUCTS].



6. **Click [TWAIN Driver] on the window below.**

7. **Select a language used for installation on [Choose Setup Language] window and click [OK].**

8. **Install the application following the instructions in the window.**

9. **When the [InstallShield Wiizard Complete] window appears, click [Finish].**

10. Your computer is restarted and the scanner wil be detected. Do not remove the Setup CD-ROM from the CD drive until your PC will be completely restarted.

Depending on the OS, the following operations may be necessary.

For Windows 98:
When a request for inserting the CD-ROM of Winows 98 appears, insert it into the CD drive and click the [OK] button.

For Windows 2000:
When [Digital Signature not Found] appears, click [Yes].

For Windows XP:

1. When [Found New Hardware Wizard] window appears,select "No, not this time" and click the [Next >] button. (This window only appears when the Service Pack 2 is installed.)
2. Then select "Install the software automatically" and click the [Next >].
3. When any alarm is displayed on [Hardware Installation] window, click the [Continue Anyway] button.
4. Click the [Finish] button.

Now the installation of the scanner driver is completed.

For confirming if the installation was successful, perform a scanning operation by using an application that complies with the TWAIN standard such as ScandAll 21.

■ Installing ScandAll 21 Application

"Scandall 21" is an image capturing software that complies with the TWAIN standard. With the FUJITSU TWAIN 32 scanner driver, you can capture images using a FUJITSU image scanner fi-series product.

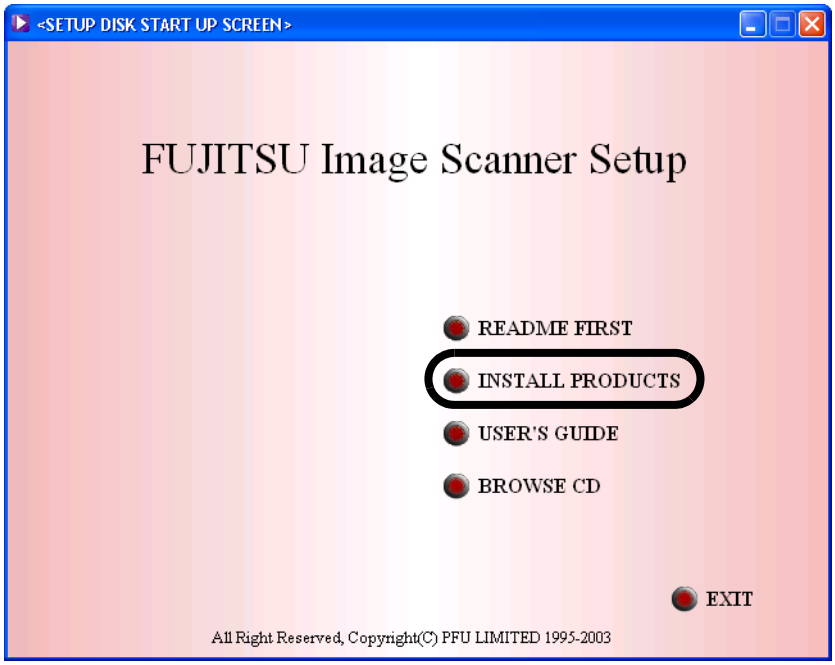
ATTENTION

When using Windows NT 4.0, Windows 2000 or Windows XP, log on as a user with "Administrator" privileges (privileges of the administrator of your PC). Otherwise the installation will not be completed correctly.

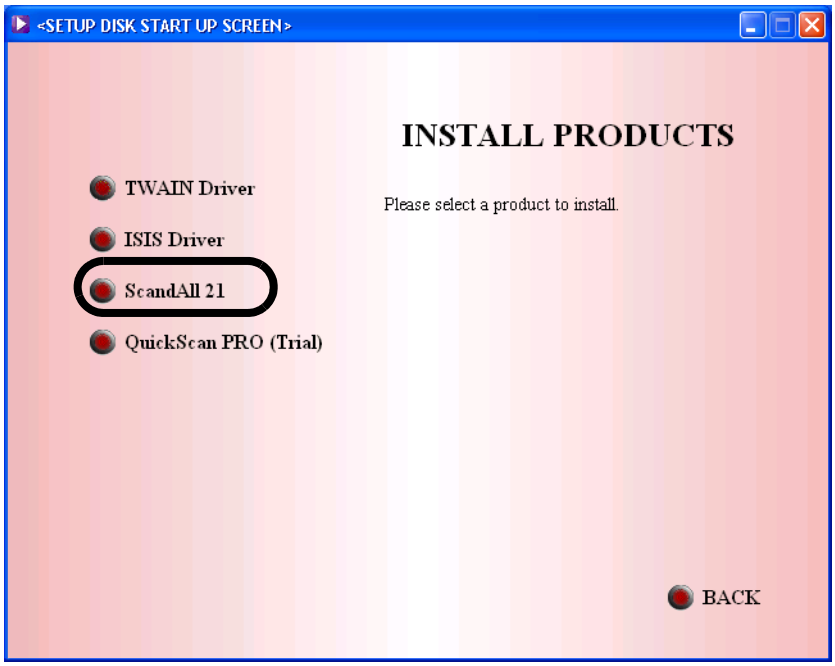
1. Insert the Setup CD-ROM into the CD drive.

⇒ <SETUP DISK START UP SCREEN> appears.

2. Click [INSTALL PRODUCTS].



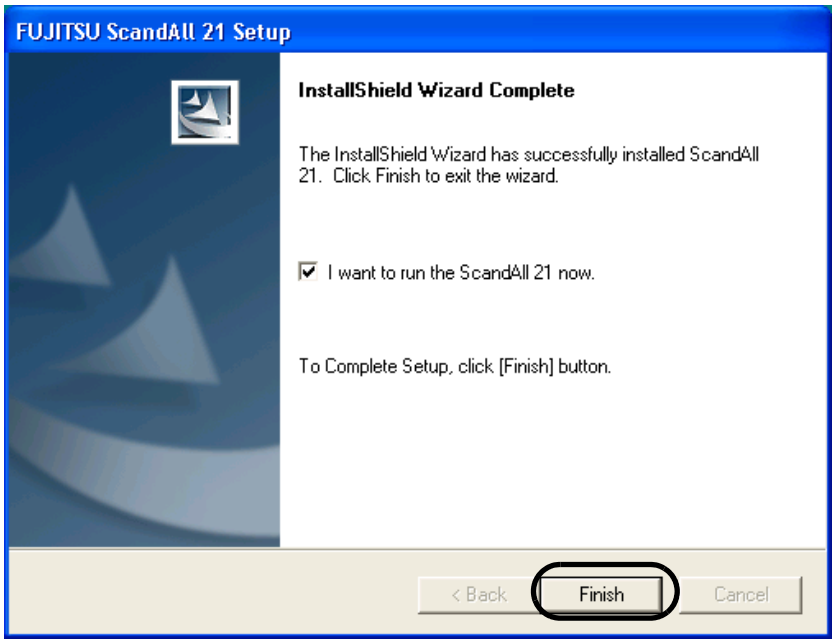
3. **Click [ScandAll 21] on the window below.**



4. **Select a language used for installation on [Choose Setup Language] window and click [OK].**

5. **Install the application following the instructions on the window.**

6. **When the [InstallShield Wizard Complete] window appears, click [Finish]**


FUJITSU ScandAll 21 Setup
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed ScandAll 21. Click Finish to exit the wizard.
I want to run the ScandAll 21 now.
To Complete Setup, click [Finish] button.
< Back
Finish
Cancel

ATTENTION

To finish the installation, it may be necessary to restart your computer. Follow the instructions in the window.

■ Confirming Installation

1. **Set documents on the Hopper.**

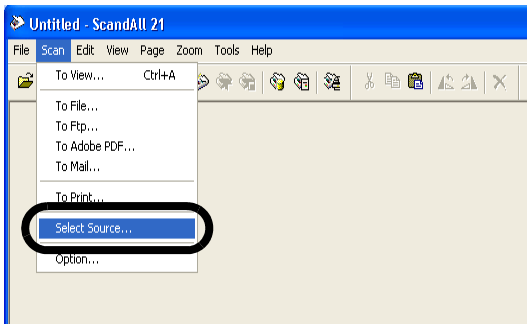
   For details on how to load documents, refer to the "1.7 Loading Documents on the Hopper" in the fi-4860C2 Operator's Guide provided in the User Manual CD-ROM.

2. **Start ScandAll21**

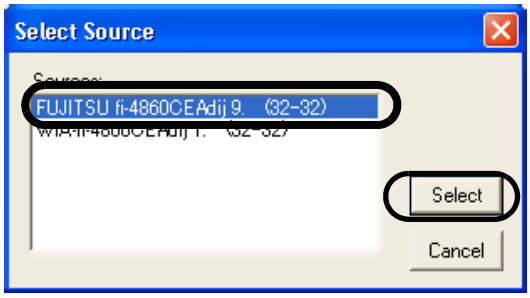
   Select [Start] - [Programs] - [Scanner Utility for Microsoft Windows] - [ScandAll 21].

3. Specify the scanner to use

Select [Select Source...] from the [Scan] menu of ScandAll 21.



4. Select "FUJITSU fi-4860CEAdij" or "FUJITSU TWAIN32" on the dialog box appeared.

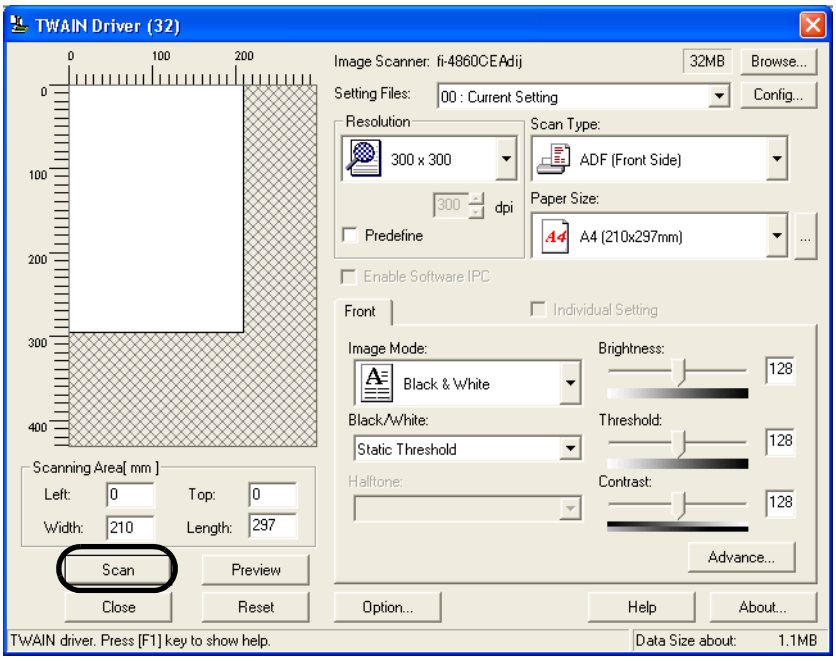


HINT

☐For Windows 98, Windows Me, Windows 2000, Windows XP:
[FUJITSU fi-4860CEAdij]
☐For Windows 95, Windows NT 4.0:
[FUJITSU TWAIN32]

5. Select [To View...] from the [Scan] menu.

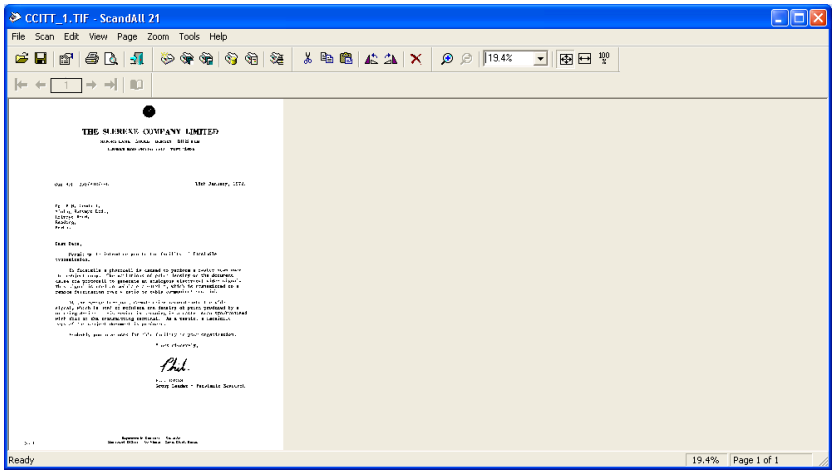
6. Set scanning resolution, document size, etc. on the [TWAIN driver] window (for setting details of scanning) and click the [Scan] button.



HINT

For details on [TWAIN driver], refer to the "FUJITSU TWAIN32 Scanner Driver Help" provided on the Setup CD-ROM

7. Documents are scanned, and the scanned images are displayed on the [ScandAll 21] window.



If the scanning is completed without any troubles, the installation was performed successfully.

For details on various types of scanning, refer to the "fi-4860C2 Operator's Guide" on the Setup CD-ROM.

For FUJITSU ISIS Scanner Driver

■ Preparation

Confirm the following items before starting to install the application.

- Prepare the Setup CD-ROM at hand. (Do not insert the Setup CD-ROM into the CD drive yet).
- Confirm that the scanner is correctly connected to your PC.

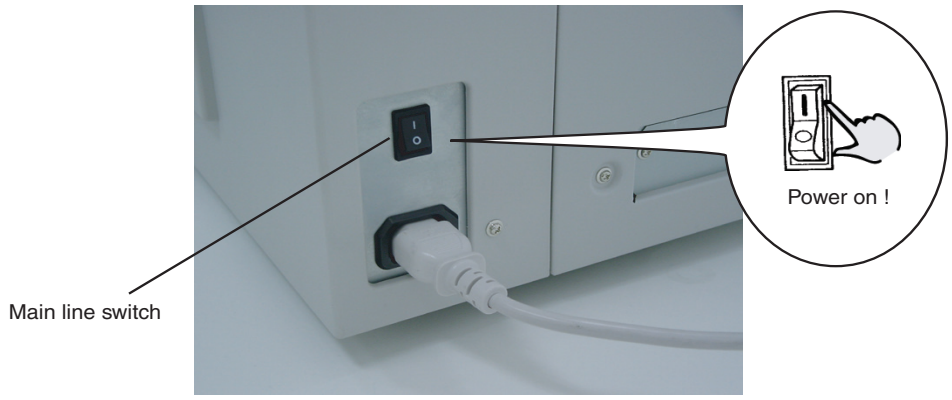
For details on how to connect the scanner, refer to "2.2 Connecting the Scanner" on page 13.

■ Installing the FUJITSU ISIS Scanner Driver

Windows XP screenshots are used in this section. The windows and operations may slightly vary depending on your OS.

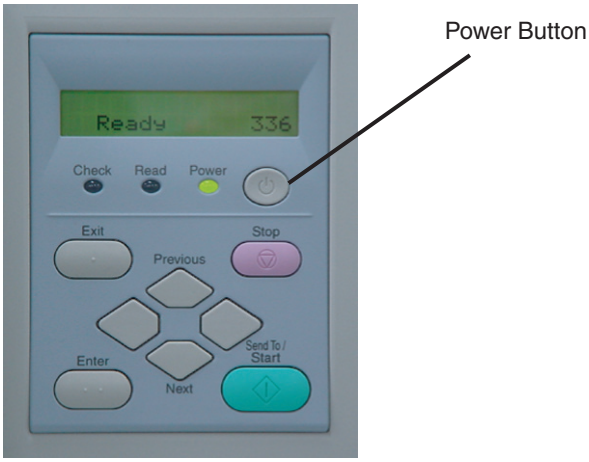
1. Turn on the scanner.

Press the side of " | " on the Main line switch.



(Back side)

Then press the Power button on the Operator panel.
When the power is supplied, the green LED on the Operator panel lights.



2. Turn on your PC and log on to Windows.

ATTENTION

When using Windows NT 4.0, Windows 2000 or Windows XP, log on as a user with "Administrator" privileges (privileges of the administrator of your PC). Otherwise the installation will not be completed correctly.

3. The scanner is detected automatically. [Found New Hardware Wizard] (or [Add/Remove Hardware Wizard) dialog box will appear.

Click [Cancel] to close the Wizard window.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
fi-4860CEAdij
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

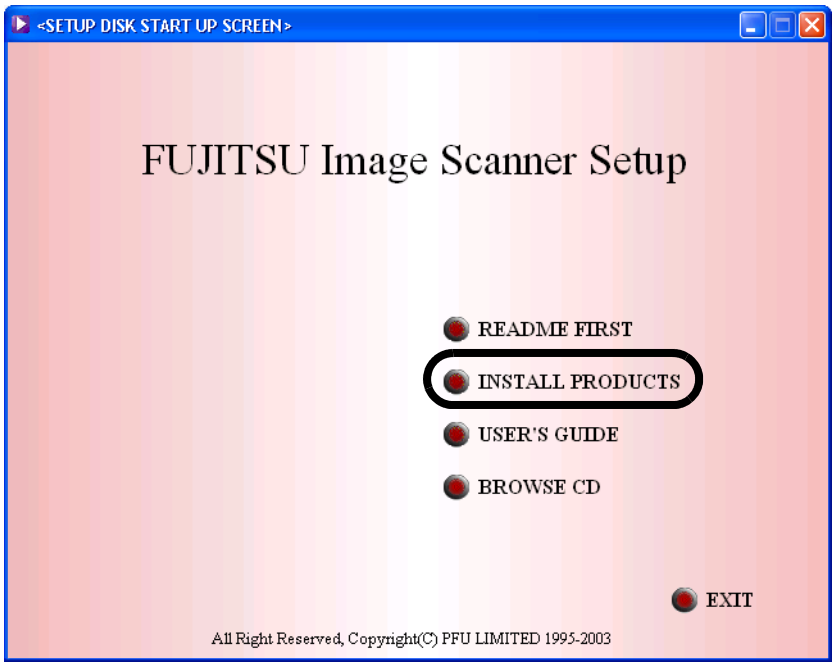
4. Insert the "Setup CD-ROM" into the CD drive.

⇒ <SETUP DISK START UP SCREEN> appears.

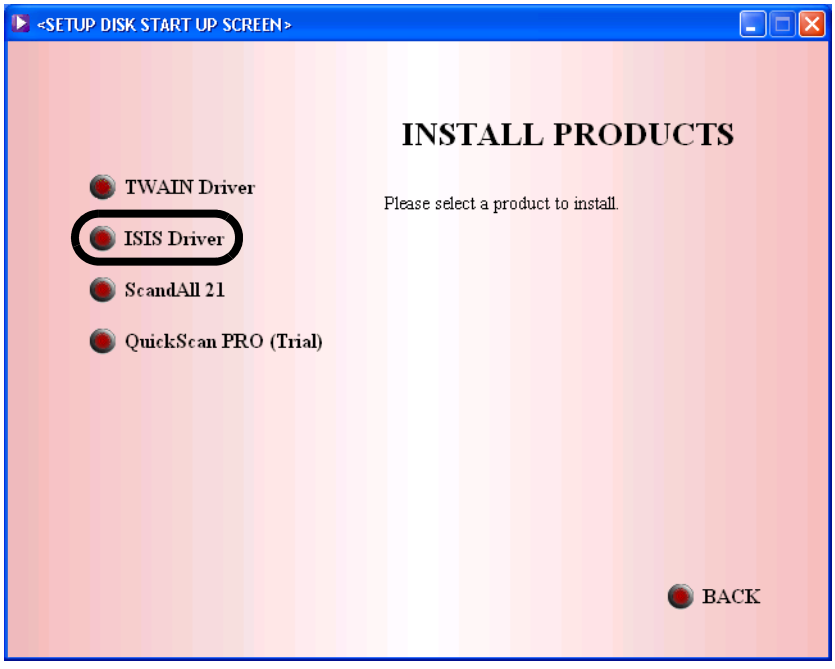
ATTENTION

This screen may not appear if the "Autoplay" setting of your PC is OFF. In this case, run "Install.exe" in this CD-ROM directly by the "Explorer" or "My Computer".

5. **Click [INSTALL PRODUCTS].**



6. **Click [ISIS Driver] on the window below.**



7. **Select a language used for installation on [Choose Setup Language] window and click [OK].**

8. **Install the application following the instructions on the window.**

9. **When the [InstallShield Wiizard Complete] window appears, click [Finish].**

10. **Your computer is restarted and the scanner will be detected. Do not remove the Setup CD-ROM from the CD drive until your PC will be completey restarted.**

ATTENTION

Depending on the OS, the following operations may be necessary.

For Windows 98:
When a request for inserting the CD-ROM of Winows 98 appears, insert it into the CD drive and click the [OK] button.

For Windows 2000:
When [Digital Signature not Found] appears, click [Yes].

For Windows XP:

1. When [Found New Hardware Wizard] window appears,select "No, not this time" and click the [Next >] button. (This window only appears when the Service Pack 2 is installed.)
2. Then select "Install the software automatically" and click the [Next >].
3. When any alarm is displayed on [Hardware Installation] window, click the [Continue Anyway] button.
4. Click the [Finish] button.

Now the installation of the scanner driver is completed.

■ Installing QuickScan Pro™ Application

"QuickScan Pro" is an image capturing software that complies with the ISIS standard. With the FUJITSU ISIS scanner driver, you can capture images using a FUJITSU image scanner fi-series product.

ATTENTION

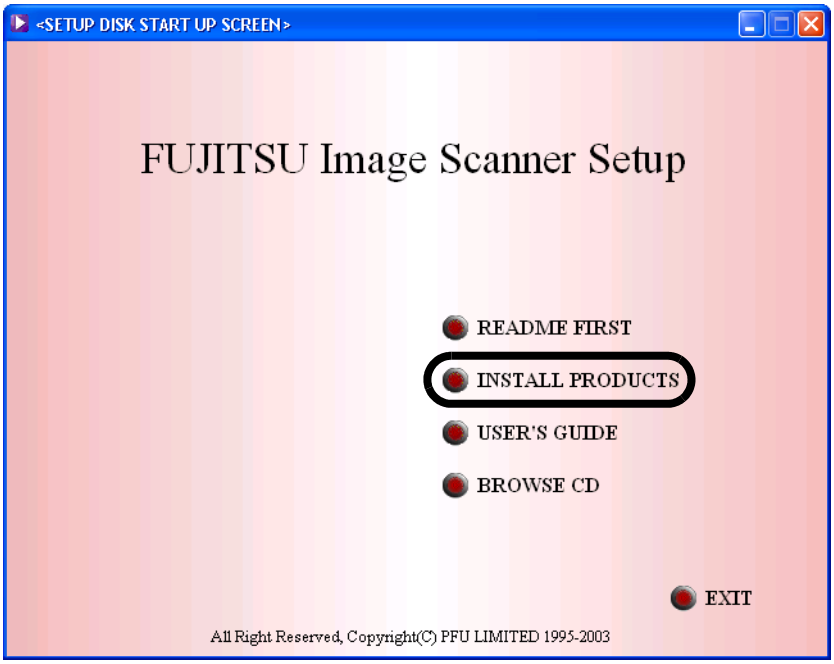
When using Windows NT 4.0, Windows 2000 or Windows XP, log on as a user with "Administrator" privileges (privileges of the administrator of your PC). Otherwise the installation will not be completed correctly.

1. Insert the Setup CD-ROM into the CD drive.

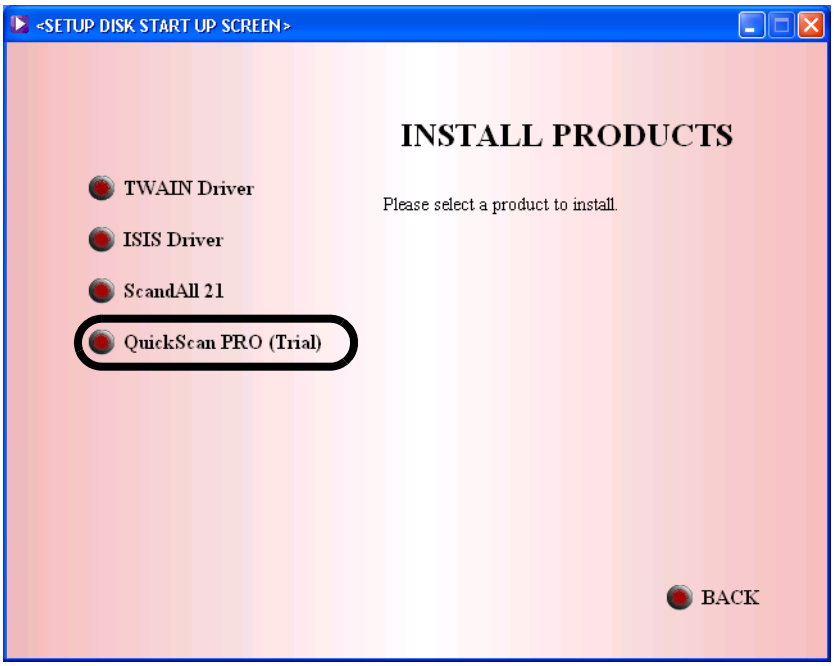
⇒ <SETUP DISK STARTUP SCREEN> appears.

2. Click [INSTALL PRODUCTS]

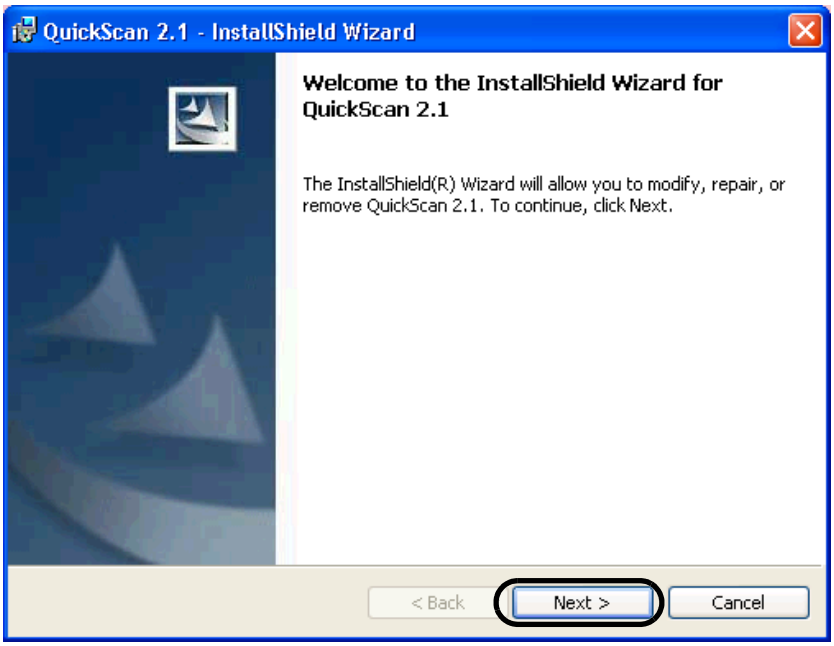
.



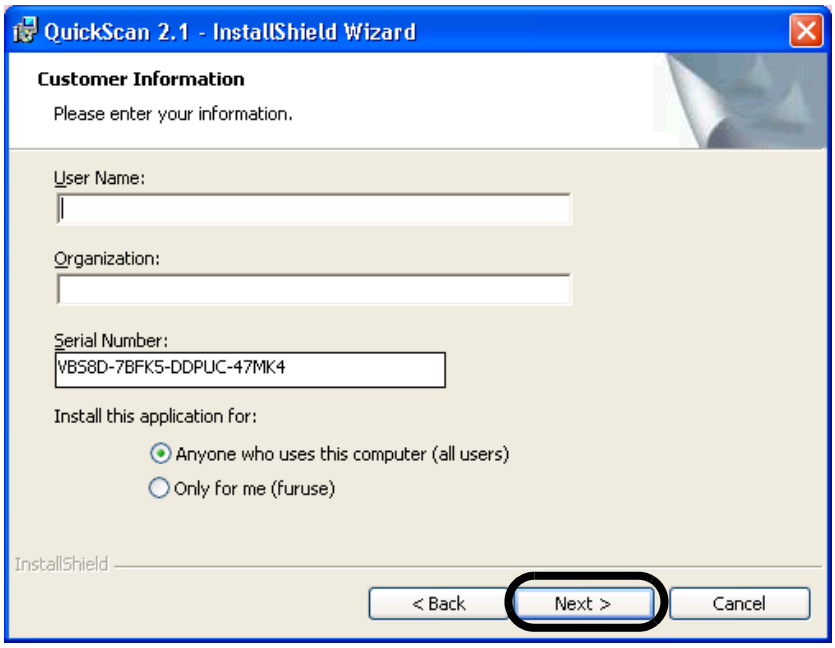
3. **Click [QuickScan PRO™ (Trial)] on the window below.**



4. **Install the application following the instructions on the window.**


QuickScan 2.1 - InstallShield Wizard
Welcome to the InstallShield Wizard for QuickScan 2.1
The InstallShield(R) Wizard will allow you to modify, repair, or remove QuickScan 2.1. To continue, click Next.
< Back
Next >
Cancel

5. Enter required information, then click [Next >] button.



ATTENTION

"QuickScan Pro" included in the Setup CD-ROM is an evaluation version. For further use after expiration of the evaluation period (up to 30 launches), it is necessary to purchase a fully functional version of QuickScan Pro. (When you install the evaluation version, do not change the Serial Number already displayed.)

6. Install the application following the instructions on the window.

■ Confirming Installation

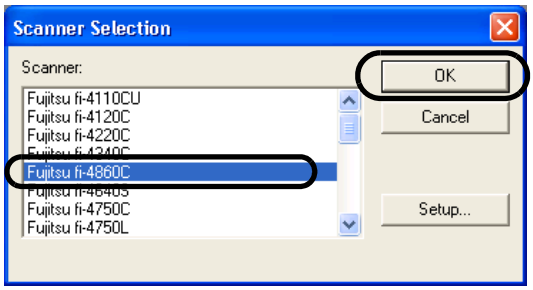
Confirm whether or not the scanner works normally as follows.

1. **Start QuickScan Pro™.**

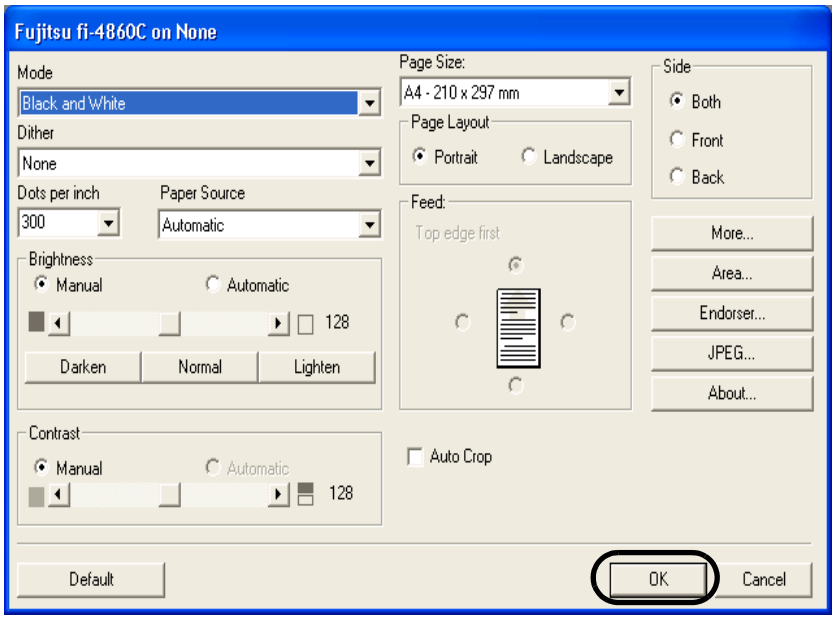
   From [Start] menu select [Programs]-[QuickScan]-[QuickScan].

2. **Select [Select Scanner...] from [Scan] menu in QuickScan Pro™.**

   And select fi-4860C from the list of [Scanner:], and then click [OK] button
   .



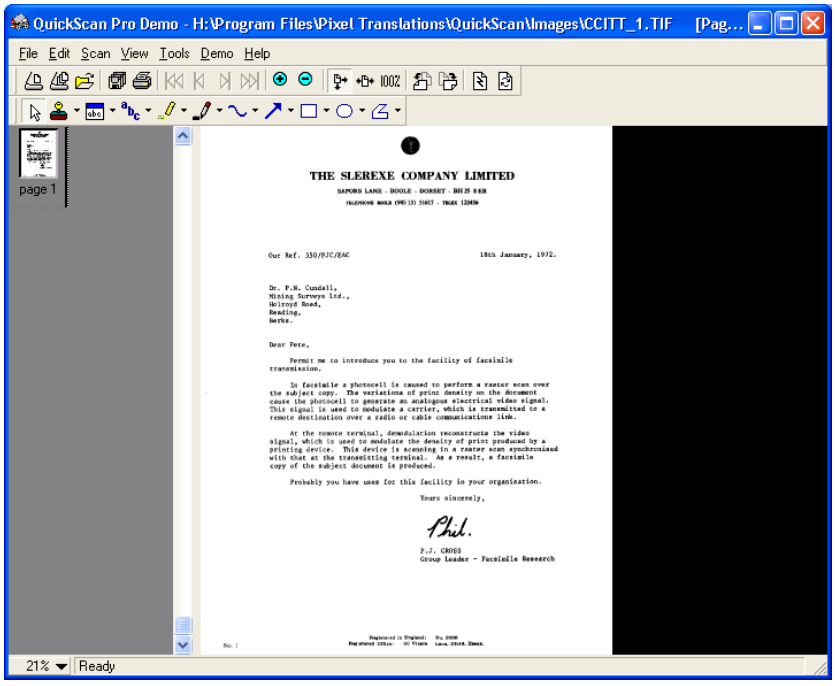
3. **Select [Preview Settings...] from the [Scan] menu. Set the scan resolution, paper size and other scanning conditions, and then click [OK].**



4. Load the documents on the Hopper.

For details on how to load documents, refer to "1.7 Loading Documents on the Hopper" in the fi-4860C2 Operator's Guide on the User Manual CD-ROM.

5. Select [Preview Scan] from the [Scan] menu. And then the document is scanned.



If the scanning is completed without any troubles the installation was performed successfully.

HINT

Refer to "QuickScan Overview" or "QuickScan Help" for information about QuickScan functions and operations. On the [Start] menu, point to [Programs]-[QuickScan] and click the file.

Adobe® Acrobat®

■ Installing Adobe Acrobat

Install Adobe Acrobat by following the procedure from the "Adobe Acrobat 7.0 CD-ROM" provided with the scanner.

Adobe Acrobat bundled with this scanner is not supported by Windows 95, Windows 98 /98 Second Edition, Windows NT4.0 and Microsoft Windows Me.

Adobe Acrobat is required for displaying the manuals stored in the CD-ROM.

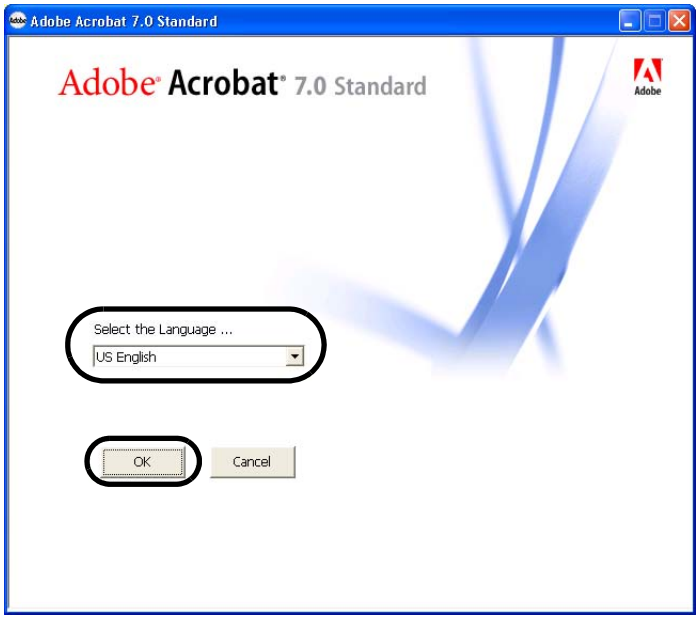
* Installation of Adobe Acrobat is not necessary if it has already been installed in your PC.

1. Insert the Adobe Acrobat 7.0 CD-ROM into the CD-ROM drive.

⇒ The CD-ROM is automatically detected and the "Adobe Acrobat 7.0 Standard" window appears.

This screen may not appear when the "Autoplay" setting of your CD drive is off. In this case, run "AutoPlay.exe" in this CD-ROM directly from "Explorer" or "My Computer".

2. **Select a language and Click [OK] button.**



3. **Select "Install Adobe Acrobat 7.0 Standard".**

4. Click the [Next] button. The set up window appears.

5. Follow the instructions to install the software.

HINT

Select "How to install" on the "Adobe Acrobat" window to learn more about Adobe Acrobat installation. Refer to "Adobe Acrobat Help" about how to use Adobe Acrobat.

ATTENTION

Notes for using Adobe Acrobat: When scanning a document and converting the image to PDF using Adobe Acrobat, unexpected images may be output when:

1. Setting "Edge Shadow Removal" in Acrobat, and setting "Digital Endorser" or "Black Background" options in the TWAIN driver at the same time. Letter strings embedded in the image or the background may be missed.
   Solution 1: Set "Edge shadow removal" to "OFF" or set any option other than "Adaptive" for "Color/Grayscale" and/or "Monochrome" under "Compression" by selecting [File]->[Create PDF]-> [From Scanner...]-> [Image Settings...] in Acrobat.
   Solution 2: Adjust the scanning density in the TWAIN driver.
2. Setting "Adaptive" for "Color/Grayscale" and/or "Monochrome" under "Compression" in Acrobat and scanning in a resolution lower than the resolution recommended for Acrobat.
   Solution: Set OPTION to something other than "Adaptive" under "Compression."
3. Scanning a document longer than the double letter (11x17) or A3 size, when setting "Overscan" in the TWAIN driver, the scan may fail.
   Solution: When scanning a double letter (11x17) or A3 size of document, do not set "Overscan" in TWAIN driver.

*As for detailed usage and information of Acrobat, refer to "Create a PDF file from a scanned document" in Acrobat Help.

Support and User registration for Adobe products:
Refer to the technical support information stored in the [Customer Support] folder on Adobe Acrobat CD-ROM. (Note that free person-to-person support is not available for this bundled product.)

VRS (VirtualReScan®)

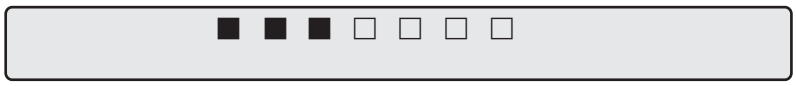
The VRS (VirtualReScan®) is the image processing software manufactured by Kofax Image Products, Inc. It enables to correct image defects, such as scanning skewed documents, or "jitter" generated by colors or half-tone dot meshing, and so on. For further information regarding the installation and usage, refer to the User's Guide attached to the "VRS Install CD" enclosed with this scanner.

APPENDIX-1 MESSAGES OF OPERATOR PANEL

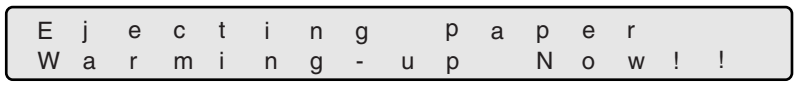
■ Massages of Scaner Operation Status

<Not Ready status>
(Initializing)

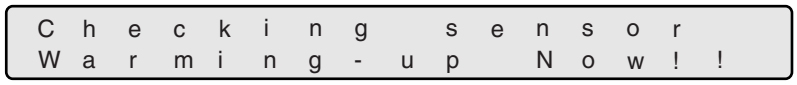
With progress of time ❑ changes to ■. When the display shows ■, the scanner changes to the following check states.



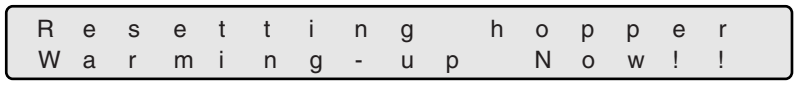
<Not Ready status>
(Ejecting document)



<Not Ready status>
(Checking sensor)

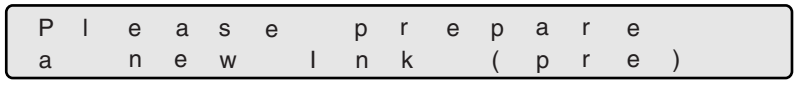


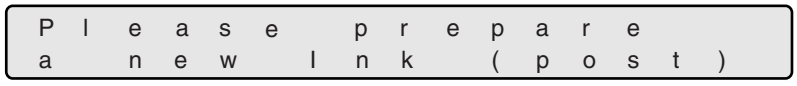
<Not Ready status>
(Resetting the hopper)

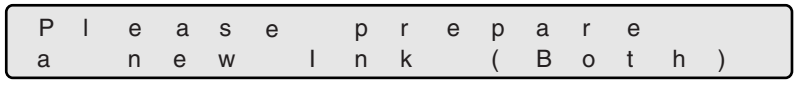


<Not Ready status>
(Waiting to initialize interface board)

Low ink alarms
<preparing the print cartridge>
(At power on)







<Scanning>

```
Prepare new Ink
Now Reading! xxxx
```

"xxxx" shows the value of the Batch counter.

<Scanning>

```
Now Reading! xxxx
```

"xxxx" shows the value of the Batch counter.

<At Low power mode> When the messages on the Operator panel's LCD have disappeared and only the Power LED lamp stays lit, the scanner is in the Low power mode.

To reactivate the scanner from the Low power mode, perform one of the following operations.

- Press any button (except power button) on the Operator Panel.
- Set documents on the Hopper.
- Send a command from PC.

<Double feed error>
(Scanning)

The following message is displayed while the scanner is scanning continuously and a double feed has been detected (by checking paper overlapping). When a double feed detection state is canceled on “Ready“ screen after the scanning, the upper row of this message will disappear.

```
SUS  Double feed
Now  Reading! XXXX
```

"xxxx" shows the value the of Batch counter.

(Waiting)

The following message is displayed while the scanner is waiting and a double feed (checked by overlapping) has been detected.

To abort the double feed detection state, press the Stop button,

The upper row of this message [Double Feedxxxxx] will blink.

```
SUS  D.feed  XXXXX
     Ready   XXXXXXXX
```

"xxxx"(upper) shows the value of the Batch counter.
"xxxxxxxx"(lower) shows the value of the Abration or Life counter.

<Double feed error>
(Scanning)

The following message is displayed while the scanner is scanning continuously and a double feed has been detected (by checking paper thickness). When a double feed detection state is canceled on “Ready“ screen after the scanning, the upper row of this message will disappear.

```
    Double Feed
Now  Reading! xxxx
```

"xxxx" shows the value the of Batch counter.

(Waiting)

The following message is displayed while the scanner is waiting and a double feed (checked by thickness) has been detected.

To abort the double feed detection state, press the Stop button,

The upper row of this message [Double Feedxxxxx] will blink.

```
Double Feedxxxxx
Ready  xxxxxxxx
```

"xxxx"(upper) shows the value of the Batch counter.
"xxxxxxxx"(lower) shows the value of the Abrasion or Life counter.

■ Error messages (Temporary errors: Check LED blinking)

Check LED blinks when the following errors occur except the <Hopper empty> and <Mis-pick> errors.

<Hopper empty>

The following messages are displayed if no documents are loaded on the hopper during the scan operation. Please load documents on the hopper. The scanning will be continued, when you load documents on the hopper for re-scanning.

To clear this message, press the Stop button.

```
                          x x x x x
      P a p e r    E m p t y
```

The check LED does not blink when the Hopper empty errors.

(at Double feed)

```
D o u b l e    F e e d x x x x x
     P a p e r    E m p t y
```

"xxxx" shows the value of the Batch counter.

<Paper Jam>

The following message is displayed if a document is jammed in the ADF. Refer to the “Operator guide” included in “User manual CD-ROM” for removing the jammed documents.

```
          P a p e r    J a m x
```

One of "1" - "8" is displayed instead of "x", depending on the paper jam status.

<ADF cover open> The following message is displayed if the ADF cover is not closed completely. Close the ADF cover completely, to enable the scanning.

```
A D F - C o v e r   O p e n
```

<Double feed error> (by overlapping check) The following message is displayed, when a double feed is detected by paper overlapping check.

```
S U S   D o u b l e   f e e d
```

<Double feed error> (by thickness check) The following message is displayed, when a double feed is detected by paper thickness check.

```
D o u b l e   F e e d
```

(by length check) The following message is displayed, when a double feed is detected by paper length check.

```
L e n g t h   e r r o r
```

<Mis-pick> The following message is displayed, when a document is not sent from the hopper to the ADF.

```
M i s - p i c k
```

The Check LED does not blink when a Mis-pick error occurs.

<Pick overrun> The following message is displayed, when a document is sent from the hopper to the ADF and it overruns its normal position.

```
P i c k   o v e r r u n
```

<Skew error>

The following message is displayed, when a document is fed skewed from the hopper to the ADF.

```
Irregular paper
```

<Hopper is full or Pick unit not set>

The following message is displayed, when the Pick roller unit is not set correctly or when there are too many documents loaded on the hopper.
(When there are any documents on the hopper.)

```
Hopper overload
```

<Pick unit not set>

The following message is displayed, when the Pick roller unit is not set correctly.
(When there are no documents on the hopper.)

```
Pick roller unit
    not set
```

<Pick unit not set>

The following message is displayed, when the Pick roller unit is not set correctly during scanning.

```
Pick roller unit
```

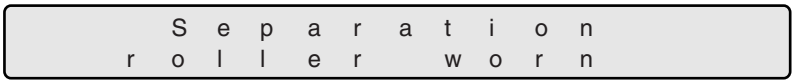
<Brake roller not set>

The following message is displayed, when the scan operation is performed while the Brake roller unit is not set correctly.

```
    Brake roller
      not set
```

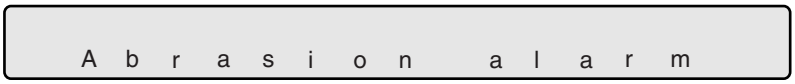
<Separation roller >

The following message is displayed, when rotating the Separation roller and the Brake roller does not rotate at all.



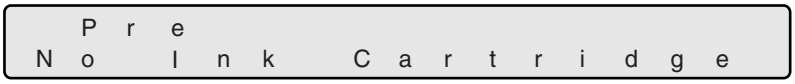
<Checking Consumables>

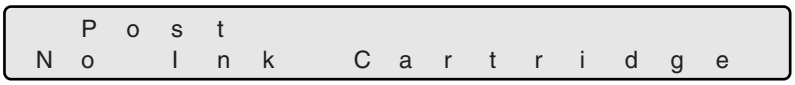
The following message is displayed, when the Abrasion counter value exceeds the setting value for displaying the consumables replacement message.



<Print cartridge not set>

The following message is displayed, when the Print cartridge is not installed in the fi-486PRFR (front-side Imprinter) or to the fi-486PRRE (back-side Imprinter).





■ Alarm messages (Hardware errors: Check LED lighting)

The following messages are displayed, when an error occurs inside the sccaner. In this case, please switch the scanner off and on again.
If the same message is displayed again, please contact to a distributor or an authorized FUJITSU scanner service provider.

<Optical alarm >
(Front side)

The following message is displayed, when an error occurs at the front side optical unit.

```
Front Side
Optical Alarm
```

<Optical alarm >
(Back side)

The following message is displayed, when an error occurs at the back side optical unit.

```
Back Side
Optical Alarm
```

<Motor fuse alarm>
(Transport motor)

The following messages are displayed, when the fuse of particular motors (Transport motor, Separation motor, Pick motor, Hopper motor) blows out.

```
Fuse alarm
Feed motor
```

(Separation motor)

```
Fuse alarm
Separation motor
```

(Pick motor)

```
Fuse alarm
Pick motor
```

(Hopper motor)

```
Fuse alarm
Hopper motor
```

<Lamp fuse alarm>
(Front side)

The following message is displayed, when the fuse for the lamp for front side blows out.

```
        Fuse alarm
Front side lamp
```

<Lamp fuse alarm>
(Back side)

The following message is displayed, when the fuse for the lamp for back side blows out.

```
        Fuse alarm
  Back side lamp
```

<Background fuse alarm>
(Front side)

The following message is displayed, when the fuse for changing the Background of front side blows out.

```
        Fuse alarm
Background: Front
```

<Background fuse alarm>
(Back side)

The following message is displayed, when the fuse for changing the Background of back side blows out.

```
        Fuse alarm
Background: Back
```

<Background alarm>
(Front side)

The following message is displayed, when the Background of front side cannot be changed.

```
        Front side
Background Alarm
```

<Background alarm>
(Back side)

The following message is displayed, when the Background of back side cannot be changed.

```
        Back side
Background Alarm
```

<Hopper overrun> The following message is displayed, when the hopper moves farther than its correct position.

```
Hopper overrun
```

<Sensor control alarm> The following message is displayed, when an error occurs in the sensor control part.

```
Sensor Control
      Alarm
```

<Sensor dirty alarm> The following message is displayed, when an error occurs due to a dirt on the sensor.

```
xxxx Sensor dirty
```

"xxxx." indicates the sensor name (SUS, SF0, SA4, etc.)

<Sensor alarm> The following message is displayed, when a sensor error occurs

```
xxxx Sensor error
```

"xxxx." indicates the sensor name (SUS, SF0, SA4, etc.)

<Temperature alarm> The following message is displayed, when the temperature inside the scanner exceeds the standard temperature.

```
    Temperature
        alarm
```

<Power supply alarm>

The following message is displayed, when an error occurs in the Power supply.

```
Power supply
    error
```

<EEPROM alarm>

The following message is displayed, when an error occurs in the EEPROM.

```
ADDRESS xxH
EEPROM Alarm
```

The EEPROM address where the error occurs is indicated by [xx] digits in the above shown screen.

<VDCC Read/Write alarm>

The following message is displayed, if an error occurs when accessing the VDCC area.

```
VDCC2 R/W Error
```

(MDC timeout)

The following message is displayed, if an error occurs when accessing the MDC area.

```
MDC Timeout
```

<Dither/Gamma Read/Write alarm>

The following message is displayed, if an error occurs when accessing the Dither/Gamma RAM.

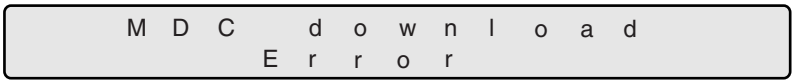
```
Dither/Gamma
  R/W Error
```

<Temporary memory Read/Write alarm>

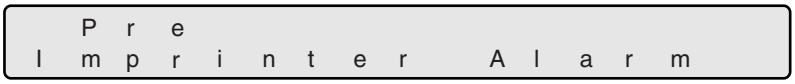
The following message is displayed, if an error occurs during accessing the temporary memory.

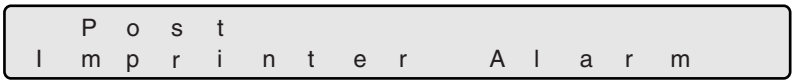
```
TempMem R/W error
```

<MDC download alarm> The following message is displayed, when an error occurs during downloading the firmware to MDC.



<Imprinter alarm> The following message is displayed, when an error occurs in the fi-486PRFR (front-side Imprinter) or the fi-486PRRE (back-side Imprinter).





<Command alarm> The following message is displayed, when an error occurs in the command sequence from PC.

(MDC command timeout 1)

(MDC command timeout 2)

(SDC command Sequence alarm)

(MDC response alarm)

(SCSI response time out)

APPENDIX-2 CONSUMABLES AND REPLACEMENT CYCLE

The following table lists the Part No. and the standard replacement cycle of the consumables. It is recommended that you stock extra consumables before the ones in the scanner reaches end of life. The consumables must be replaced periodically. You can check the number of scanned pages for the Pad ASSY, the Pick roller unit, the Brake roller unit, and Print cartridge, and you can check the cumulative lamp-on time for the Lamps by referring to each counter on this scanner.

Descriptions	Part No.	Standard replacement cycle
Lamp	PA83950-0290	1,000 Hours (60,000minutes)
Pad ASSY	CA04315-G730	300,000 sheets or 1 year
Pick Roller Unit	PA03296-F711	300,000 sheets or 1 year
Brake Roller Unit	CA04315-F705	300,000 sheets or 1 year
Print Cartridge	CA00050-0262	Black ink cartridge 4,000,000 characters

The replacement cycle is based on the printing on Letter/A4 woodfree paper or wood containing paper documents(80 g/m^2). The replacement cycle may differ due to paper quality, print density or paper type.

For the purchase of the consumables, please contact the FUJITSU scanner dealer where you purchased your scanner.

Use the correct Print cartridge. The Scanner may be damaged if the wrong Print cartridge is installed.

APPENDIX-3 TROUBLESHOOTING

Should any of the following problems arise, refer to the relevant section listed below.

- Scanner cannot be turned on.
  Refer to Chapter 5.2 Troubleshooting “Symptom1” of the fi-4860C2 Operator’s Guide.
- The operator panel LCD goes out.
  Refer to Chapter 5.2 Troubleshooting “Symptom2” of the fi-4860C2 Operator’s Guide.
- Scanning does not start.
  Refer to Chapter 5.2 Troubleshooting “Symptom3” of the fi-4860C2 Operator’s Guide.
- Quality of scanned pictures and photographs is not satisfactory.
  Refer to Chapter 5.2 Troubleshooting “Symptom4” of the fi-4860C2 Operator’s Guide.
- Quality of scanned text or lines is unsatisfactory.
  Refer to Chapter 5.2 Troubleshooting “Symptom5” of the fi-4860C2 Operator’s Guide.
- The scanned image is distorted and/or not sharp.
  Refer to Chapter 5.2 Troubleshooting “Symptom6” of the fi-4860C2 Operator’s Guide.
- Vertical streaks appear in the scanned image.
  Refer to Chapter 5.2 Troubleshooting “Symptom7” of the fi-4860C2 Operator’s Guide.
- Check LED starts blinking right after power on.
  Refer to Chapter 5.2 Troubleshooting “Symptom8” of the fi-4860C2 Operator’s Guide.
- The Check LED lights right after power on.
  Refer to Chapter 5.2 Troubleshooting “Symptom9” of the fi-4860C2 Operator’s Guide.
- Double-feed occurs frequently.
  Refer to Chapter 5.2 Troubleshooting “Symptom10” of the fi-4860C2 Operator’s Guide.
- Document jam occurs frequently.
  Refer to Chapter 5.2 Troubleshooting “Symptom11” of the fi-4860C2 Operator’s Guide.
- There is a shadow on the leading edge of the scanned image.
  Refer to Chapter 5.2 Troubleshooting “Symptom12” of the fi-4860C2 Operator’s Guide.
- Scanner is not recognized by PC automatically.
  Refer to Chapter 5.2 Troubleshooting “Symptom13” of the fi-4860C2 Operator’s Guide.
- Windows® system gets unstable.
  Refer to Chapter 5.2 Troubleshooting “Symptom14” of the fi-4860C2 Operator’s Guide.

APPENDIX-4 CLEARING DOCUMENT JAMS

If a document jam occurs during feeding, follow the procedure below to remove the jammed documents.

⚠ CAUTION

- Be careful not to get injured during jam removal.
- When removing jammed documents, be careful not to get your neckties or necklaces entangled inside the scanners.
- The surface of the glass sometimes becomes hot during operation. Take care not to get burned.

■ Removing jams from the hopper or the transport path

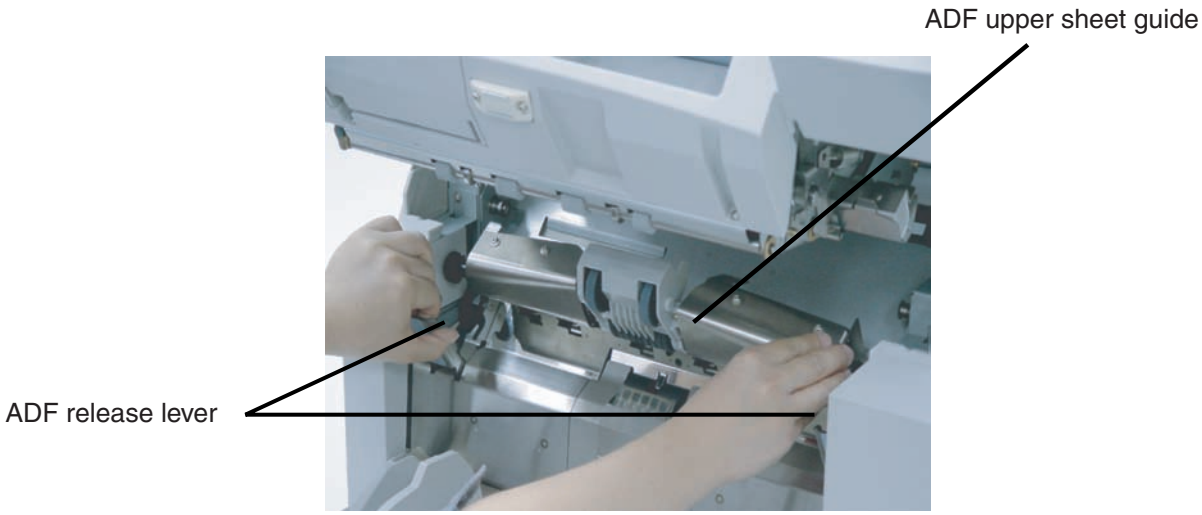
1. Remove the documents on the stacker.

2. Pull up on the lever on the right front of the Upper transport and then raise it.

⚠ CAUTION

Raise the Upper transport unit fully, then lower the transport to engage lock before you put your hands inside of the scanner.

3. While pulling the ADF release lever toward you, lift up the ADF upper sheet guide.



4. Remove the jammed document.

ATTENTION

- Staples and paper clips etc. can cause document jams.
- Make sure you check the document and the document transport path for obstructions before you start scanning again.
- Remove staples and paper clips from the documents before you start scanning.

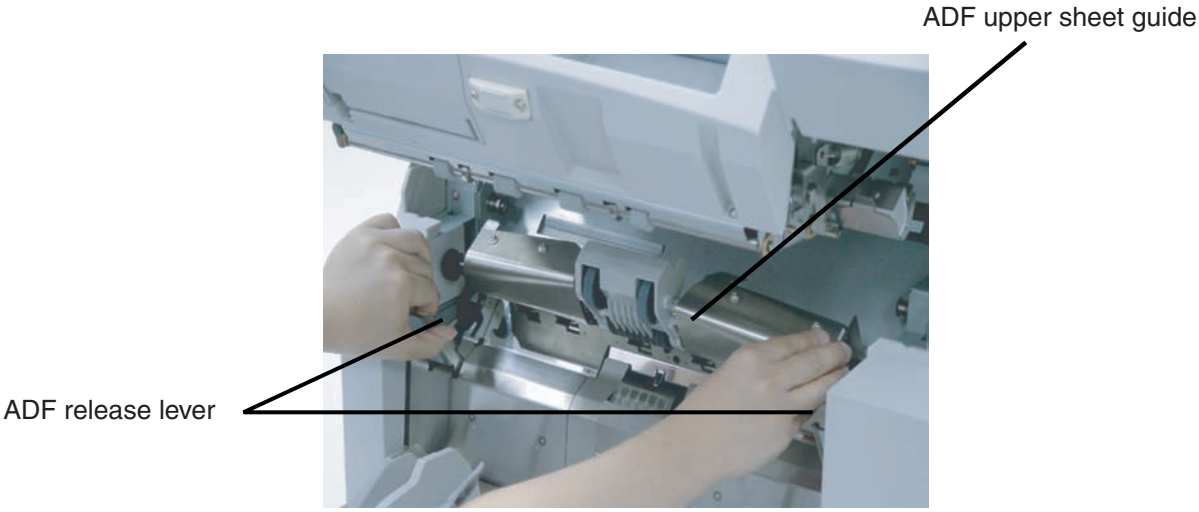
5. Lower the ADF upper sheet guide carefully.

6. Lift the Upper transport unit fully to release the safety lock and then lower the transport unit carefully.

■ Removing jams from the eject mechanism.

1. Remove the documents on the stacker.

2. Pull up on the lever on the right front of the Upper transport and then raise it.



3. Pull out the jammed document to the stacker.

4. Lift the Upper transport unit fully to release the safety lock and then lower the transport unit carefully.

■ Document separation force adjustment

If the following error occurs frequently, adjust the brake force of the Brake roller using setup mode.

- Double-feed
- Mis-pick
- Paper jam1

1. Enter into the setup mode.

Please refer to the section "1.3 Basic Operations of the Operator Panel" on page 6 of the fi-4860C2 Operator's Guide, "Using the setup and test mode."

The following screen appears.

Choose an appropriate setting based on the thickness of the document you are scanning and the error.

By pressing ◇ (Right arrow button), the LCD display changes items from (5) to (1).

By pressing ◇ (Left arrow button), the LCD display changes items from (1) to (5).

(1)	■ ■ ■ ■ ■	-	Document thickness: Thick
(2)	■ ■ ■ ■ □	-	Document thickness: Medium thick
(3)	■ ■ ■ □ □	-	Document thickness: Medium
(4)	■ ■ □ □ □	-	Document thickness: Medium thin
(5)	■ □ □ □ □	-	Document thickness: Thin

When the desired option appears, press Enter (Enter button) to select it.

Document separation force setup items are as follows.

Setting	Document thickness	Document separation force	"Double-feed" occurs frequently	"Mis-pick" or "Document jam" occurs frequently
Thick	Thick	Strong	Increase document separation force	Decrease document separation force
Medium Thick	Medium Thick	Medium strong		
Medium	Medium	Medium (Factory default setting)		
Medium Thin	Medium Thin	Medium weak		
Thin	Thin	Weak		

If Mis-pick occurs frequently, adjust the Pick roller rotation speed.

Press ◇ (Next button) to show the following screen.

```
!03 Pick Speed
=  Fast/Mid/Slow
```

Press ◇ (Left arrow button) or ◇ (Right arrow button) and select an item.

Press Enter (Enter button) to select the setting.

The blinking item is the one selected.

Pick speed	Mis-pick occurs frequently.
Fast (Factory default)	↓ Decrease pick speed
Mid	
Slow	

When you set pick speed at "Mid" or "Slow", scanning speed is reduced.

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